

Bioassay Results Summary
Final Report
January 18, 2001

Background

This summary is to provide de-identified data associated with bioassays completed by employees who occupy space in Building 807 along with those who volunteered to serve as a control group (non-occupants of Bldg. 807). Individual reports have been provided to employees directly.

All results are based upon urine specimens collected over a 24-hour time period.

Bldg. 807 Occupants

Specimen Number	Thallium	Manganese	Lead	Mercury	Arsenic
Ref. Range	0 to 1.4 ug/L	0 to 7.9 ug/L	0 to 23 ug/L	0 to 10 ug/L	0 to 52.7 ug/L
1	0.0	0.3	0.0	0.0	15.9
2	0.0	0.0	1	1	10.6
3	0.0	1.2	0.0	0.0	6.3
4	0.0	0.9	0.0	0.0	11.6
5	0.0	1.8	0.0	1	*13.0
6	0.0	1	0.0	0.0	19.9
7	0.1	0.7	0.0	0.0	19.7
8	0.0	0.7	0.0	0.0	10.2
9	0.0	1.2	0.0	1	11.4
10	0.0	1.8	0.0	1	12.2
11	0.0	0.7	0.0	1	19.1
12	0.0	0.6	2	0.0	22.7
13	0.0	1.9	0.0	0.0	8.1
14	0.0	0.6	0.0	0.0	8.4
15	0.1	1.1	0.0	1	41.9
16	0.0	1.7	0.0	0.0	14.9
17	0.1	1.8	0.0	4	20.1
18	0.0	1.4	0.0	0.0	52.2
19	0.0	1.2	0.0	0.0	21
20	0.0	1.5	0.0	0.0	26.1
21	0.1	1.2	1	1	16.2
22	0.0	1	0.0	0.0	16.2
23	0.0	1.1	0.0	0.0	19.4
24	0.0	1.4	0.0	0.0	8.9
25	0.0	0.6	0.0	0.0	7.6
26	0.0	1.3	0.0	1	7.8
27	0.1	1.3	1	1	16.8
28	0.0	1.2	0.0	1	25
29	0.0	1	0.0	1	19.8
30	0.0	1.2	0.0	1	10.2
31	0.0	1.2	0.0	0.0	13.1

Specimen Number	Thallium	Manganese	Lead	Mercury	Arsenic
Ref. Range	0 to 1.4 ug/L	0 to 7.9 ug/L	0 to 23 ug/L	0 to 10 ug/L	0 to 52.7 ug/L
32	0.0	0.9	0.0	1	22.5
33	0.0	1.1	1	0.0	23.5
34	0.0	1.4	0.0	1	10.4
35	0.0	1	1	0.0	46.7
36	0.0	1.2	0.0	0.0	9.6
37	0.2	0.6	0.0	1	*10.0
38	0.0	0.7	0.0	2	10.8
39	0.1	0.8	0.0	1	15.2
40	0.0	2	0.0	0.0	26.5
41	0.0	0.8	1.0	1	13.8
42	0.1	1.5	1.0	2	25.8
43	0.1	1.7	2.0	1	18.7
44	0.1	2.2	1.0	1	19.1
45	0.0	1.2	1.0	0.0	16.1
46	0.0	0.8	2.0	0.0	25.7
47	0.0	0.3	1.0	1	14.9
48	0.0	0.1	0.0	1	24.4
49	0.0	1.3	1.0	0.0	11.3
50	0.1	3.6	2.0	2	28.4
51	0.0	0.6	1.0	1	13.7
52	0.3	0.0	1.0	1.0	32.5
53	0.0	1.4	1.0	1.0	25.1

*Speciated inorganic Arsenic

Control Group

Specimen Number	Thallium	Manganese	Lead	Mercury	Arsenic
Ref. Range	0 to 1.4 ug/L	0 to 7.9 ug/L	0 to 23 ug/L	0 to 10 ug/L	0 to 52.7 ug/L
1C	0.0	1.1	0.0	2	18.1
2C	0.1	2.3	0.0	1	17
3C	0.0	2	0.0	1	31.9
4C	0.0	1.2	0.0	1	16
5C	0.0	1.3	0.0	0.0	18
6C	0.0	0.8	0.0	0.0	8.1
7C	0.0	0.5	0.0	0.0	9.2
8C	0.0	1.3	1	0.0	17.8
9C	0.1	2.2	0.0	0.0	13.4
10C	0.0	0.8	0.0	1	17.2
11C	0.0	1.2	0.0	0.0	9.1
12C	0.0	0.0	0.0	1	12.1
13C	0.0	0.5	0.0	1	18.5
14C	0.0	0.1	0.0	1	13.4
15C	0.0	0.6	0.0	0.0	10.1
16C	0.6	1.2	9	0.0	21.8
17C	0.1	0.9	0.0	0.0	4
18C	0.1	0.9	0.0	1	14.8
19C	0.0	2.2	1	1	29.6